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Inventor Information for 10/727143

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Appln Info	Contents	Petition Info	Atty/Agent Info	Continuity Data	Foreign Data
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US 20060047277 A1	US- PGPUB	20060302	14	Hybrid lesion formation apparatus, systems and methods	606/41		Eberl; Greg et al.
US 20050288667 A1	US- PGPUB	20051229	17	Ablation systems including insulated energy transmitting elements	606/41		Thompson, Russell B. et al.
US 20050251123 A1	US- PGPUB	20051110		Low temperature lesion formation apparatus, systems and methods	606/21		Eberl, Greg et al.
US 20050251122 A1	US- PGPUB	20051110	32	Clamp based low temperature lesion formation apparatus, system and methods	606/21		Swanson, David K.
US 20050251121 A1	US- PGPUB	20051110		Probe based low temperature lesion formation apparatus, systems and methods	606/21		Swanson, David K.
US 20050215992 A1	US- PGPUB	20050929		Steerable loop structures for supporting diagnostic and therapeutic elements in contact with body tissue	606/41	600/374	Jenkins, Thomas R. et al.
US 20050187544 A1	US- PGPUB	20050825		Cooled probes and apparatus for maintaining contact between cooled probes and tissue	606/41	604/35; 606/49	Swanson, David K. et al.
US 20050177151 A1	US- PGPUB	20050811		Irrigation sheath	606/41		Coen, Thomas P. et al.
US 20050171536 A1	US- PGPUB	20050804		Apparatus for mapping and coagulating soft tissue in or around body orifices	606/49	600/374; 600/381	Phan, Huy D. et al.
US 20050143727 A1	US- PGPUB	20050630		Surgical probe for supporting inflatable therapeutic devices in contact with tissue in or around body orifices and within tumors	606/41		Koblish, Josef V. et al.
US 20050119654 A1	US- PGPUB	20050602		Clamp based methods and apparatus for forming lesions in tissue and confirming whether a therapeutic lesion has been formed	606/49	607/122	Swanson, David K. et al.
US 20050119653 A1	US- PGPUB	20050602		Surgical methods and apparatus for forming lesions in tissue and	606/49	607/122	Swanson, David K.

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US 20050119649 A1	US- PGPUB	20050602		Self-anchoring surgical methods and apparatus for stimulating tissue	606/41		Swanson, David K.
US 20050119648 A1	US- PGPUB	20050602		Surgical methods and apparatus for stimulating tissue	606/41		Swanson, David K.
US 20050119545 A1	US- PGPUB	20050602		Surgical methods and apparatus for maintaining contact between tissue and electrophysiology elements and confirming whether a therapeutic lesion has been formed	600/374	606/49; 607/122	Swanson, David K.
US 20050085805 A1	US- PGPUB	20050421		Internal indifferent electrode device for use with lesion creation apparatus and method of forming lesions using the same	606/32		Swanson, David K.
US 20050059962 A1	US- PGPUB	20050317		Ablation catheter with tissue protecting assembly	606/41		Phan, Huy D. et al.
US 20050049585 A1	US- PGPUB	20050303		Structures for deploying electrode elements	606/41		Fleischman, Sidney D. et al.
US 20050049583 A1	US- PGPUB	20050303		Systems and methods for RF ablation using jet injection of a conductive fluid	606/32	606/41	Swanson, David K.
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US 20050033321 A1	US- PGPUB	20050210		Methods for electrically isolating a portion of the atria	606/139		Fleischman, Sidney D. et al.
US 20050033285 A1	US- PGPUB	20050210		Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body	606/41		Swanson, David K. et al.
US 20050015083 A1	US- PGPUB	20050120		Loop structures for positioning a diagnostic or therapeutic element on the epicardium or other organ	606/41		Koblish, Josef V. et al.

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US 20050010207 A1	US- PGPUB	20050113		Microporous electrode structure and method of making the same	606/41		Swanson, David K. et al.
US 20040215177 A1	US- PGPUB	20041028		Therapeutic apparatus having insulated region at the insertion area	606/21		Swanson, David K.
US 20040186467 A1	US- PGPUB	20040923		Apparatus for maintaining contact between diagnostic and therapeutic elements and tissue and systems including the same	606/41	604/35	Swanson, David K. et al.
US 20040162556 A1	US- PGPUB	20040819		Power supply and control apparatus and electrophysiology systems including the same	606/49		Swanson, David K.
US 20040106897 A1	US- PGPUB	20040603		Assemblies for creating compound curves in distal catheter regions	604/95.04		Thompson, Russell B. et al.
US 20040059327 A1	US- PGPUB	20040325		Loop structures for supporting diagnostic and therapeutic elements in contact with body tissue and expandable push devices for use with same	606/41		Jenkins, Thomas R. et al.
US 20040059325 A1	US- PGPUB	20040325		Electrophysiology electrode having multiple power connections and electrophysiology devices including the same	606/41		Swanson, David K.
US 20040049182 A1	US- PGPUB	20040311		Method and apparatus for positioning a diagnostic or therapeutic element within the body and tip electrode for use with same	606/41		Koblish, Josef V. et al.
US 20040015065 A1	US- PGPUB	20040122		Multi-functional medical catheter and methods of use	600/374	600/439; 600/467; 601/2; 606/41; 607/99	Panescu, Dorin et al.
US 20040006336 A1	US- PGPUB	20040108		Apparatus and method for RF ablation into conductive fluid-infused tissue	606/41	607/105; 607/113; 607/99	Swanson, David K.
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US 20030216722 A1	US- PGPUB	20031120		Systems and methods for RF ablation using jet injection of a conductive fluid	606/32	606/34; 606/41	Swanson, David K.
US 20030208195 A1	US- PGPUB	20031106		Ablation systems including insulated energy transmitting elements	606/41		Thompson, Russell B. et al.
US 20030199863 A1	US- PGPUB	20031023		Systems and methods for controlling power in an electrosurgical probe	606/40	606/49	Swanson, David K. et al.
US 20030195406 A1	US- PGPUB	20031016		Loop structures for supporting diagnostic and therapeutic elements in contact with body tissue	600/374	606/41	Jenkins, Thomas R. et al.
US 20030158549 A1	US- PGPUB	20030821		Apparatus for securing an electrophysiology probe to a clamp	606/41		Swanson, David K.
US 20030158548 A1	US- PGPUB	20030821		Surgical system including clamp and apparatus for securing an energy transmission device to the clamp and method of converting a clamp into an electrophysiology device	606/41		Phan, Huy D. et al.
US 20030153907 A1	US- PGPUB	20030814		Ultrasound-guided ablation catheter and methods of use	606/41	600/439; 600/467	Suorsa, Veijo T. et al.
US 20030130572 A1	US- PGPUB	20030710		Apparatus for mapping and coagulating soft tissue in or around body orifices	600/374	606/49	Phan, Huy D. et al.
US 20030114833 A1	US- PGPUB	20030619		Assemblies for creating compound curves in distal catheter regions	604/528	600/373; 604/95.04	Thompson, Russell B. et al.
US 20030093069 A1	US- PGPUB	20030515		Expandable-collapsible electrode structures made of electrically conductive material	606/34	600/374; 606/41; 607/105; 607/113; 607/122; 607/99	Panescu, Dorin et al.
US 20030088244 A1	US- PGPUB	20030508		Systems and methods for forming large lesions in body tissue using curvilinear electrode elements	606/41		Swanson, David K. et al.

US 20030078494 A1	US- PGPUB	20030424		Systems and methods for guiding and locating functional elements on medical devices positioned in a body	600/424		Panescu, Dorin et al.
US 20030065322 A1	US- PGPUB	20030403		Systems and methods for controlling tissue ablation using multiple temperature sensing elements	606/41	600/374; 606/31; 606/42	Panescu, Dorin et al.
US 20030055419 A1	US- PGPUB	20030320		Tissue heating and ablation systems and methods which predict maximum tissue temperature	606/34	606/41; 606/46	Panescu, Dorin et al.
US 20030050636 A1	US- PGPUB	20030313		Microporous electrode structure and method of making the same	606/41		Swanson, David K. et al.
US 20030028118 A1	US- PGPUB	20030206		Interactive systems and methods for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/509		Dupree, Daniel A. et al.
US 20030018330 A1	US- PGPUB	20030123		Systems and methods for creating long, thin lesions in body tissue	606/41		Swanson, David K. et al.
US 20030014049 A1	US- PGPUB	20030116		Loop structures for positioning a diagnostic or therapeutic element on the epicardium or other organ surface	606/41	600/374; 606/49; 607/99	Koblisch, Josef V. et al.
US 20030014048 A1	US- PGPUB	20030116		Fluid cooled apparatus for supporting diagnostic and therapeutic elements in contact with tissue	606/41		Swanson, David K.
US 20020198520 A1	US- PGPUB	20021226		Irrigation sheath	606/41		Coen, Thomas P. et al.
US 20020193790 A1	US- PGPUB	20021219		Systems and methods for forming elongated lesion patterns in body tissue using straight or curvilinear electrode elements	606/41	607/101	Fleischman, Sidney D. et al.
US 20020183638 A1	US- PGPUB	20021205		Systems and methods for conducting electrophysiological	600/510		Swanson, David K.

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US 20020161422 A1	US- PGPUB	20021031		Structures for supporting porous electrode elements	607/119	606/41	Swanson, David K. et al.
US 20020151889 A1	US- PGPUB	20021017		Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body	606/41	606/49; 607/99	Swanson, David K. et al.
US 20020143250 A1	US- PGPUB	20021003		Systems for recording use of structures deployed in association with heart tissue	600/427		Panescu, Dorin et al.
US 20020133150 A1	US- PGPUB	20020919		Structures for supporting multiple electrode elements	606/41		Whayne, James G. et al.
US 20020128640 A1	US- PGPUB	20020912		Internal indifferent electrode device for use with lesion creation apparatus and method of forming lesions using the same	606/32	606/34	Swanson, David K.
US 20020115941 A1	US- PGPUB	20020822		Systems and methods using annotated images for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/523	600/374; 702/68; 707/102	Whayne, James G. et al.
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US 20020111548 A1	US- PGPUB	20020815		Ablation and imaging catheter	600/407	600/373; 600/462; 600/478	Swanson, David K. et al.
US 20020099415 A1	US- PGPUB	20020725		Systems and methods for examining the electrical characteristic of cardiac tissue	607/24	600/374; 600/547	Panescu, Dorin et al.
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20020068868 A1	PGPUB			compound curves in distal catheter regions			Russell B. et al.
US 20020065465 A1	US- PGPUB	20020530		System for recording use of structures deployed in association with heart tissue	600/437		Panescu, Dorin et al.
US 20020058870 A1	US- PGPUB	20020516		Systems and methods for assessing stability of an operative instrument in a body region	600/424	600/374	Panescu, Dorin et al.
US 20020026187 A1	US- PGPUB	20020228		Fluid cooled apparatus for supporting diagnostic and therapeutic elements in contact with tissue	606/41		Swanson, David K.
US 20020004631 A1	US- PGPUB	20020110		Loop structures for supporting diagnostic and therapeutic elements in contact with body tissue	600/374	606/41	Jenkins, Thomas R. et al.
US 20010044585 A1	US- PGPUB	20011122		Interactive systems and methods for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/509		Dupree, Daniel A. et al.
US 20010041891 A1	US- PGPUB	20011115		Catheter having improved torque transmission capability and method of making the same	606/41		Thompson, Russell B. et al.
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US 20010025175 A1	US- PGPUB	20010927		Expandable-collapsible electrode structures made of electrically conductive material	606/41	600/374; 606/34; 607/105; 607/113; 607/122; 607/99	Panescu, Dorin et al.
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US 20010018608 A1	US-PGPUB	20010830		Systems and methods for examining the electrical characteristic of cardiac tissue	607/122	600/547	Panescu, Dorin et al.
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US 20010012918 A1	US-PGPUB	20010809		Systems and methods for conducting electrophysiological testing using high-voltage energy pulses to stun tissue	600/510		Swanson, David K.
US 20010009976 A1	US-PGPUB	20010726		Systems for recording use of structures deployed in association with heart tissue	600/424	600/437; 600/439	Panescu, Dorin et al.
US 20010007071 A1	US-PGPUB	20010705		Surgical probe for supporting inflatable therapeutic devices in contact with tissue in or around body orifices and within tumors	606/41	607/113; 607/99	Koblish, Josef V. et al.
US 20010000791 A1	US-PGPUB	20010503		Ultrasound-guided ablation catheter and methods of use	600/439	606/41	Suorsa, Veijo T. et al.
US 7011655 B2	USPAT	20060314		Assemblies for creating compound curves in distal catheter regions	604/529	604/95.04	Thompson; Russell B. et al.
US 7008401 B2	USPAT	20060307		Assemblies for creating compound curves in distal catheter regions	604/95.04	604/528	Thompson; Russell B. et al.
US 6942661 B2	USPAT	20050913		Fluid cooled apparatus for supporting diagnostic and therapeutic elements in contact with tissue	606/41		Swanson; David K.
US 6939349 B2	USPAT	20050906		Structures for deploying electrode elements	606/41	600/374; 607/122	Fleischman; Sidney D. et al.

US 6932813 B2	USPAT	20050823		Ablation systems including insulated energy transmitting elements	606/41		Thompson; Russell B. et al.
US 6917834 B2	USPAT	20050712		Devices and methods for creating lesions in endocardial and surrounding tissue to isolate focal arrhythmia substrates	607/122	606/41; 607/105; 607/106; 607/113	Koblisch; Josef V. et al.
US 6916306 B1	USPAT	20050712		Steerable loop structures for supporting diagnostic and therapeutic elements in contact with body tissue	604/95.04	604/95.01	Jenkins; Thomas R. et al.
US 6908464 B2	USPAT	20050621		Loop structures for supporting diagnostic and therapeutic elements in contact with body tissue and expandable push devices for use with same	606/41	606/49; 606/50; 607/101	Jenkins; Thomas R. et al.
US 6904303 B2	USPAT	20050607		Apparatus for mapping and coagulating soft tissue in or around body orifices	600/374	600/381; 606/41; 606/49; 607/105; 607/113; 607/99	Phan; Huy D. et al.
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US 6893437 B2	USPAT	20050517		Microporous electrode structure and method of making the same	606/41	606/49 CIPG 20060101 A A61B A61B18/14 L I R US M 20060101 CICL A61B CIPS A61B18/14 20060101 CIPG 20060101 A A61B A61B18/14 L I R US M	Swanson; David K. et al.

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US 6837885 B2	USPAT	20050104		Surgical probe for supporting inflatable therapeutic devices in contact with tissue in or around body orifices and within tumors	606/41	606/28; 607/105	Koblish; Josef V. et al.
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US 6827714 B2	USPAT	20041207		Internal indifferent electrode device for use with lesion creation apparatus and method of forming lesions using the same	606/32	606/39; 606/41; 606/49	Swanson; David K.
US 6824515 B2	USPAT	20041130		Ultrasound-guided ablation catheter and methods of use	600/439	600/467; 601/2; 606/41; 607/99	Suorsa; Veijo T. et al.
US 6814731 B2	USPAT	20041109		Methods for RF ablation using jet injection of conductive fluid	606/32	606/34; 606/41	Swanson; David K.
US 6792390 B1	USPAT	20040914		Systems and methods to identify and disable re-used devices based on detecting environmental changes	702/183	128/897; 600/549	Burnside; Robert R. et al.
US 6788969 B2	USPAT	20040907		Interactive systems and methods for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/509	600/523	Dupree; Daniel A. et al.
US 6786905 B2	USPAT	20040907		Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body	606/32	606/41; 606/49; 607/99	Swanson; David K. et al.
US 6736811 B2	USPAT	20040518		Expandable-collapsible electrode structures made of electrically conductive material	606/34	600/374; 606/41; 607/105; 607/113; 607/122;	Panescu; Dorin et al.

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US 6679269 B2	USPAT	20040120		Systems and methods for conducting electrophysiological testing using high-voltage energy pulses to stun tissue	128/898	600/508; 606/41; 607/101	Swanson; David K.
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US 6656174 B1	USPAT	20031202		Devices and methods for creating lesions in blood vessels without obstructing blood flow	606/41	606/159; 606/45; 607/122	Hegde; Anant V. et al.
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US 6645199 B1	USPAT	20031111		Loop structures for supporting diagnostic and therapeutic elements contact with body tissue and expandable push devices for use with same	606/41	606/49; 606/50; 607/101	Jenkins; Thomas R. et al.
US 6640120 B1	USPAT	20031028		Probe assembly for mapping and ablating pulmonary vein tissue and method of using same	600/374	606/41; 607/101	Swanson; David K. et al.
US 6625482 B1	USPAT	20030923		Graphical user interface for use with multiple electrode catheters	600/424	600/427	Panescu; Dorin et al.

US 6613046 B1	USPAT	20030902		Loop structures for supporting diagnostic and therapeutic elements in contact with body tissue	606/41	600/374; 606/47; 606/49; 607/122; 607/99	Jenkins; Thomas R. et al.
US 6611793 B1	USPAT	20030826		Systems and methods to identify and disable re-use single use devices based on detecting environmental changes	702/183	128/897; 600/549	Burnside; Robert R. et al.
US 6610055 B1	USPAT	20030826		Surgical method for positioning a diagnostic or therapeutic element on the epicardium or other organ surface	606/41	606/49; 607/122; 607/99	Swanson; David K. et al.
US 6602278 B1	USPAT	20030805		Devices for supporting diagnostic or therapeutic elements and assemblies for creating curves in the distal regions thereof	604/95.04	604/528	Thompson; Russell B. et al.
US 6597955 B2	USPAT	20030722		Systems and methods for examining the electrical characteristic of cardiac tissue	607/122	606/41; 607/101; 607/116	Panescu; Dorin et al.
US 6579288 B1	USPAT	20030617		Fluid cooled apparatus for supporting diagnostic and therapeutic elements in contact with tissue	606/41	606/31; 606/34	Swanson; David K. et al.
US 6578579 B2	USPAT	20030617		Systems and methods for preventing automatic identification of re-used single use devices	128/897		Burnside; Robert R. et al.
US 6565511 B2	USPAT	20030520		Systems for recording use of structures deployed in association with heart tissue	600/437		Panescu; Dorin et al.
US 6542773 B2	USPAT	20030401		Interactive systems and methods for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/509		Dupree; Daniel A. et al.
US 6540743 B2	USPAT	20030401		Resilient radiopaque electrophysiology electrodes and probes including the same	606/41	600/374	Olson; Steven L. et al.
US 6529756	USPAT	20030304		Apparatus for mapping	600/374	600/381;	Phan; Huy

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US 6516807 B1	USPAT	20030211		System and methods for locating and guiding operative elements within interior body regions	128/899	600/374; 606/34; 606/41; 607/122	Panescu; Dorin et al.
US 6514246 B1	USPAT	20030204		Systems and methods for forming large lesions in body tissue using curvilinear electrode elements	606/41	600/374	Swanson; David K. et al.
US 6508765 B2	USPAT	20030121		Ultrasound-guided ablation catheter and methods of use	600/439	600/467; 601/2; 606/41; 607/99	Suorsa; Veijo T. et al.
US 6500172 B1	USPAT	20021231		Systems and methods for controlling tissue ablation using multiple temperature sensing elements	606/31	600/549; 606/42; 607/102	Panescu; Dorin et al.
US 6494880 B1	USPAT	20021217		Systems and methods for controlling power in an electrosurgical probe	606/40	606/34; 606/49	Swanson; David K. et al.
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US 6468272 B1	USPAT	20021022		Surgical probe for supporting diagnostic and therapeutic elements in contact with tissue in or around body orifices	606/41	600/374; 600/393; 606/46; 606/47; 606/49; 607/99	Koblish; Josef V. et al.
US 6464700 B1	USPAT	20021015		Loop structures for positioning a diagnostic or therapeutic element on the epicardium or other organ surface	606/41	600/374; 606/49; 607/99	Koblish; Josef V. et al.
US 6464699 B1	USPAT	20021015		Method and apparatus for positioning a diagnostic or therapeutic element on body tissue and mask element for use with same	606/41	606/32; 606/34	Swanson; David K.
US 6456864 B1	USPAT	20020924		Systems and methods for guiding movable electrode elements within multiple-electrode structures	600/374	600/509; 606/34; 606/41; 607/122	Swanson; David K. et al.
US 6454766 B1	USPAT	20020924		Microporous electrode structure and method of making the same	606/41	606/45; 606/49	Swanson; David K. et al.
US 6447506 B1	USPAT	20020910		Systems and methods for creating long, thin lesions in body tissue	606/41	606/42; 607/101	Swanson; David K. et al.
US 6428537 B1	USPAT	20020806		Electrophysiological treatment methods and apparatus employing high voltage pulse to render tissue temporarily unresponsive	606/41	607/122	Swanson; David K. et al.
US 6428536 B2	USPAT	20020806		Expandable-collapsible electrode structures made of electrically conductive material	606/34	600/374; 606/41; 607/105; 607/113; 607/122; 607/99	Panescu; Dorin et al.
US 6425895 B1	USPAT	20020730		Surgical apparatus for positioning a diagnostic or	606/41	606/49; 607/99	Swanson; David K. et

				therapeutic element within the body			al.
US 6421556 B2	USPAT	20020716		Systems and methods for conducting electrophysiological testing using high-voltage energy pulses to stun tissue	600/510		Swanson; David K.
US 6413234 B1	USPAT	20020702		Assemblies for creating compound curves in distal catheter regions	604/95.04	600/434	Thompson; Russell B. et al.
US 6402746 B1	USPAT	20020611		Branched structures for supporting multiple electrode elements	606/41	128/898; 607/122	Whayne; James G et al.
US 6395325 B1	USPAT	20020528		Porous membranes	427/2.11	427/2.24; 427/2.3; 427/2.31; 427/243; 427/244; 427/245; 427/282; 427/407.1	Hedge; Anant V. et al.
US 6389311 B1	USPAT	20020514		Systems and methods using annotated images for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/523		Whayne; James G. et al.
US 6387092 B1	USPAT	20020514		Systems and methods to identify and disable re-used single use devices based on time elapsed from first therapeutic use	606/32	606/41; 606/42	Burnside; Robert R. et al.
US 6379366 B1	USPAT	20020430		Devices for installing stasis reducing means in body tissue	606/139		Fleischman; Sidney D. et al.
US 6370435 B2	USPAT	20020409		Systems and methods for examining the electrical characteristic of cardiac tissue	607/122	600/374; 600/547; 606/41; 607/101	Panescu; Dorin et al.
US 6369465 B1	USPAT	20020409		Power supply for use in electrophysiological apparatus employing high-voltage pulses to render tissue temporarily unresponsive	307/112	307/115	Swanson; David K.

US 6360128 B2	USPAT	20020319		Cardiac mapping and ablation systems	607/122	128/898; 600/374	Kordis; Thomas F. et al.
US 6357447 B1	USPAT	20020319		Surface coatings for catheters, direct contacting diagnostic and therapeutic devices	128/898	600/374; 606/41	Swanson; David K. et al.
US 6353751 B1	USPAT	20020305		Systems and methods for guiding movable electrode elements within multiple-electrodes structures	600/374	600/509; 606/34; 606/41; 607/122	Swanson; David K. et al.
US 6330473 B1	USPAT	20011211		Structures for supporting porous electrode elements	604/21	606/41; 607/113; 607/122; 607/153; 607/99	Swanson; David K et al.
US 6293943 B1	USPAT	20010925		Tissue heating and ablation systems and methods which predict maximum tissue temperature	606/41	606/27; 606/31; 606/33; 606/34; 606/42	Panescu; Dorin et al.
US 6289239 B1	USPAT	20010911		Interactive systems and methods for controlling the use of diagnostic or therapeutic instruments in interior body regions	600/523		Panescu; Dorin et al.
US 6287301 B1	USPAT	20010911		Catheter having improved torque transmission capability and method of making the same	606/33	604/524	Thompson; Russell B. et al.
US 6267760 B1	USPAT	20010731		Surgical method and apparatus for positioning a diagnostic or therapeutic element within the body and forming an incision in tissue with minimal blood loss	606/49	606/41	Swanson; David K.
US 6256540 B1	USPAT	20010703		Systems and methods for examining the electrical characteristic of cardiac tissue	607/122	600/374; 600/547; 606/41; 607/101	Panescu; Dorin et al.
US 6256525 B1	USPAT	20010703		Catheter distal end assemblies with bonded surface coatings	600/373	600/374; 606/41	Yang; Yi et al.
US 6248075 B1	USPAT	20010619		Method and apparatus for fixing the anatomical	600/463	600/466	McGee; David L. et

				orientation of a displayed ultrasound generated image			al.
US 6245068 B1	USPAT	20010612		Resilient radiopaque electrophysiology electrodes and probes including the same	606/41	600/374	Olson; Steven L. et al.
US 6245065 B1	USPAT	20010612		Systems and methods for controlling power in an electrosurgical probe	606/40	606/49; 606/50	Panescu; Dorin et al.
US 6245061 B1	USPAT	20010612		Tissue heating and ablation systems and methods using self-heated electrodes	606/27	606/101; 606/41; 606/96	Panescu; Dorin et al.
US 6241754 B1	USPAT	20010605		Composite structures and methods for ablating tissue to form complex lesion patterns in the treatment of cardiac conditions and the like	607/99	600/373; 607/122	Swanson; David K. et al.
US 6241724 B1	USPAT	20010605		Systems and methods for creating lesions in body tissue using segmented electrode assemblies	606/41	600/374; 606/34; 607/122; 607/99	Fleischman; Sidney D. et al.
US 6237604 B1	USPAT	20010529		Systems and methods for preventing automatic identification of re-used single use devices	128/897		Burnside; Robert R. et al.
US 6233491 B1	USPAT	20010515		Cardiac mapping and ablation systems	607/122	600/374	Kordis; Thomas F. et al.
US 6221013 B1	USPAT	20010424		Systems for recording use of structures deployed in association with heart tissue	600/437	600/424	Panescu; Dorin et al.
US 6216043 B1	USPAT	20010410		Asymmetric multiple electrode support structures	607/122	600/374; 606/41	Swanson; David K. et al.
US 6214002 B1	USPAT	20010410		Structures and methods for deploying electrode elements	606/41	600/374; 607/122; 607/99	Fleischman; Sidney D. et al.
US 6212426 B1	USPAT	20010403		Systems and methods for conducting electrophysiological testing using high-voltage energy pulses to stun	600/510	606/34	Swanson; David K.

			tissue			
US 6206831 B1	USPAT	20010327	Ultrasound-guided ablation catheter and methods of use	600/439	600/467; 601/2; 606/41; 607/99	Suorsa; Veijo T. et al.
US 6197021 B1	USPAT	20010306	Systems and methods for controlling tissue ablation using multiple temperature sensing elements	606/31	600/549; 606/42; 607/102	Panescu; Dorin et al.
US 6188924 B1	USPAT	20010213	Systems and methods for acquiring making time-sequential measurements of biopotentials sensed in myocardial tissue	600/510		Swanson; David K. et al.
US 6183468 B1	USPAT	20010206	Systems and methods for controlling power in an electrosurgical probe	606/40	606/34; 606/49	Swanson; David K. et al.
US 6179835 B1	USPAT	20010130	Expandable-collapsible electrode structures made of electrically conductive material	606/41	600/374; 606/34; 607/105; 607/113; 607/122; 607/99	Panescu; Dorin et al.
US 6171306 B1	USPAT	20010109	Systems and methods for forming large lesions in body tissue using curvilinear electrode elements	606/41	600/374; 607/101	Swanson; David K. et al.
US 6165169 A	USPAT	20001226	Systems and methods for identifying the physical, mechanical, and functional attributes of multiple electrode arrays	606/1	606/41; 607/122	Panescu; Dorin et al.
US 6163716 A	USPAT	20001219	Cardiac mapping and ablation systems	600/374	128/898; 29/592.1; 606/41; 607/122	Edwards; Stuart D. et al.
US 6162184 A	USPAT	20001219	Systems and methods for sensing temperature within the body	600/549	606/31; 606/42	Swanson; David K. et al.
US 6152955 A	USPAT	20001128	Implantable conformal coil patch electrode with multiple conductive elements for cardioversion and defibrillation	607/129		KenKnight; Bruce H. et al.
US 6146379	USPAT	20001114	Systems and methods for	606/41	600/374;	Fleischman;

A				creating curvilinear lesions in body tissue		607/101	Sidney D. et al.
US 6142994 A	USPAT	20001107		Surgical method and apparatus for positioning a diagnostic a therapeutic element within the body	606/41	606/49; 607/99	Swanson; David K. et al.
US 6132438 A	USPAT	20001017		Devices for installing stasis reducing means in body tissue	606/139	606/151	Fleischman; Sidney D. et al.
US 6129724 A	USPAT	20001010		Systems and methods for forming elongated lesion patterns in body tissue using straight or curvilinear electrode elements	606/41	606/42; 607/101	Fleischman; Sidney D. et al.
US 6123702 A	USPAT	20000926		Systems and methods for controlling power in an electrosurgical probe	606/34	606/42; 606/49	Swanson; David K. et al.
US 6115626 A	USPAT	20000905		Systems and methods using annotated images for controlling the use of diagnostic or therapeutic instruments in instruments in interior body regions	600/427	600/523	Whayne; James G. et al.
US 6113591 A	USPAT	20000905		Systems and methods for sensing sub-surface temperatures in body tissue	606/34	606/40; 606/50; 606/51	Whayne; James G. et al.
US 6107699 A	USPAT	20000822		Power supply for use in electrophysiological apparatus employing high-voltage pulses to render tissue temporarily unresponsive	307/112	307/115	Swanson; David K.
US 6106522 A	USPAT	20000822		Systems and methods for forming elongated lesion patterns in body tissue using straight or curvilinear electrode elements	606/41	600/374; 606/42; 607/122	Fleischman; Sidney D. et al.
US 6106460 A	USPAT	20000822		Interface for controlling the display of images of diagnostic or therapeutic instruments in interior body regions and related data	600/300		Panescu; Dorin et al.

US 6101409 A	USPAT	20000808		Systems and methods for analyzing biopotential morphologies in body tissue	600/510		Swanson; David K. et al.
US 6099526 A	USPAT	20000808		Electrode structure including hydrophilic material	606/41	600/374; 607/105; 607/113; 607/122; 607/99	Whayne; James G. et al.
US 6097976 A	USPAT	20000801		Catheter distal end assemblies with bonded surface coatings	600/373	600/374; 606/41	Yang; Yi et al.
US 6095150 A	USPAT	20000801		Systems and methods for locating and guiding operative elements within interior body regions	128/899	600/374; 606/34; 606/41; 607/122	Panescu; Dorin et al.
US 6088614 A	USPAT	20000711		Tissue characterization to identify an ablation site	600/510	600/374; 606/41	Swanson; David K.
US 6086532 A	USPAT	20000711		Systems for recording use of structures deployed in association with heart tissue	600/437		Panescu; Dorin et al.
US 6076012 A	USPAT	20000613		Structures for supporting porous electrode elements	604/21	606/41; 607/113; 607/122; 607/153; 607/99	Swanson; David K et al.
US 6071279 A	USPAT	20000606		Branched structures for supporting multiple electrode elements	606/41	607/101; 607/122	Whayne; James G et al.
US 6071278 A	USPAT	20000606		Tissue heating and ablation systems and methods using porous electrode structures with specified electrical resistivities	606/34	606/41; 607/105; 607/113; 607/122; 607/99	Panescu; Dorin et al.
US 6070094 A	USPAT	20000530		Systems and methods for guiding movable electrode elements within multiple-electrode structures	600/374	600/439; 600/467; 600/509; 606/34; 606/41; 607/122	Swanson; David K. et al.
US 6056745 A	USPAT	20000502		Systems and methods for obtaining desired lesion characteristics while ablating body tissue	606/42	606/31; 606/41; 607/102	Panescu; Dorin et al.

US 6053912 A	USPAT	20000425		Systems and methods for sensing sub-surface temperatures in body tissue during ablation with actively cooled electrodes	606/40	606/31; 606/34; 606/38; 606/42; 606/49; 607/102; 607/104; 607/105; 607/113; 607/99	Panescu; Dorin et al.
US 6052607 A	USPAT	20000418		Cardiac mapping and ablation systems	600/374	29/825; 606/41; 607/122	Edwards; Stuart D. et al.
US 6049732 A	USPAT	20000411		Electrophysiological interface system for use with multiple electrode catheters	600/523	600/427	Panescu; Dorin et al.
US 6047218 A	USPAT	20000404		Systems and methods for visualizing interior tissue regions	607/122	600/466	Whayne; James G. et al.
US 6047211 A	USPAT	20000404		Dual capacitor biphasic defibrillator waveform generator employing selective connection of capacitors for each phase	607/5	607/74	Swanson; David K. et al.
US 6038483 A	USPAT	20000314		Implantable conformal coil patch electrode with multiple conductive elements for cardioversion and defibrillation	607/129		KenKnight; Bruce H. et al.
US 6032079 A	USPAT	20000229		Implantable conformal coil electrode with multiple conductive elements for cardioversion and defibrillation	607/129		KenKnight; Bruce H. et al.
US 6030382 A	USPAT	20000229		Flexible tissue ablation elements for making long lesions	606/41	600/374; 606/42; 607/102	Fleischman; Sidney D. et al.
US 6027451 A	USPAT	20000222		Method and apparatus for fixing the anatomical orientation of a displayed ultrasound generated image	600/463	600/466	McGee; David L. et al.
US 6026332 A	USPAT	20000215		Implantable conformal coil patch electrode with multiple conductive	607/129		KenKnight; Bruce H. et al.

				elements for cardioversion and defibrillation			
US 6023638 A	USPAT	20000208		System and method for conducting electrophysiological testing using high-voltage energy pulses to stun tissue	600/510	606/41	Swanson; David K.
US 6022346 A	USPAT	20000208		Tissue heating and ablation systems and methods using self-heated electrodes	606/27	606/41; 607/101; 607/96	Panescu; Dorin et al.
US 6014590 A	USPAT	20000111		Systems and methods employing structures having asymmetric mechanical properties to support diagnostic or therapeutic elements in contact with tissue in interior body regions	607/122	600/374; 606/41	Whayne; James G. et al.
US 6014581 A	USPAT	20000111		Interface for performing a diagnostic or therapeutic procedure on heart tissue with an electrode structure	600/523		Whayne; James G. et al.
US 6001093 A	USPAT	19991214		Systems and methods for creating long, thin lesions in body tissue	606/41	600/374; 607/101	Swanson; David K. et al.
US 5991650 A	USPAT	19991123		Surface coatings for catheters, direct contacting diagnostic and therapeutic devices	600/374	600/372; 606/41	Swanson; David K. et al.
US 5984917 A	USPAT	19991116		Device and method for remote insertion of a closed loop	606/32	606/139; 606/144; 606/151	Fleischman; Sidney D. et al.
US 5984907 A	USPAT	19991116		Transition sleeve assembly for catheters	604/525	604/264; 604/523; 604/95.01	McGee; David et al.
US 5968040 A	USPAT	19991019		Systems and methods using asymmetric multiple electrode arrays	606/41	600/374; 607/122	Swanson; David K. et al.
US 5961513 A	USPAT	19991005		Tissue heating and ablation systems and methods using porous electrode structures	606/34	606/41; 607/105; 607/113; 607/122; 607/99	Swanson; David K. et al.
US 5954662	USPAT	19990921		Systems and methods for	600/510		Swanson;

A				acquiring endocardially or epicardially paced electrocardiograms			David K. et al.
US 5954661 A	USPAT	19990921		Tissue characterization and treatment using pacing	600/510		Greenspon; Arnold J. et al.
US 5941251 A	USPAT	19990824		Systems for locating and guiding operative elements within interior body regions	128/899	600/374; 606/34; 606/41; 607/122	Panescu; Dorin et al.
US 5935079 A	USPAT	19990810		Systems and methods for positioning multiple electrode structures in electrical contact with the myocardium	600/509	600/374; 600/381; 600/547; 607/122	Swanson; David K. et al.
US 5928228 A	USPAT	19990727		Flexible high density multiple electrode circuit assemblies employing ribbon cable	606/41	600/374; 607/122	Kordis; Thomas F. et al.
US 5925038 A	USPAT	19990720		Expandable-collapsible electrode structures for capacitive coupling to tissue	606/41	600/374; 606/34; 607/105; 607/113; 607/122; 607/99	Panescu; Dorin et al.
US 5916243 A	USPAT	19990629		Implantable conformal coil patch electrode with multiple conductive elements for cardioversion and defibrillation	607/129		KenKnight; Bruce H. et al.
US 5916163 A	USPAT	19990629		Graphical user interface for use with multiple electrode catheters	600/424	600/374	Panescu; Dorin et al.
US 5911739 A	USPAT	19990615		Structures for supporting diagnostic or therapeutic elements in internal body regions	607/122	606/41; 607/116	Kordis; Thomas F. et al.
US 5908445 A	USPAT	19990601		Systems for visualizing interior tissue regions including an actuator to move imaging element	607/122	600/466	Whayne; James G. et al.
US 5904651 A	USPAT	19990518		Systems and methods for visualizing tissue during diagnostic or therapeutic procedures	600/407	600/342; 600/373; 600/478; 607/122	Swanson; David K. et al.
US 5891136	USPAT	19990406		Expandable-collapsible	606/41	600/374;	McGee;

A				mesh electrode structures		606/34; 607/122; 607/99	David et al.
US 5879348 A	USPAT	19990309		Electrode structures formed from flexible, porous, or woven materials	606/41	600/374; 607/105; 607/113; 607/122; 607/99	Owens; Patrick M. et al.
US 5876336 A	USPAT	19990302		Systems and methods for guiding movable electrode elements within multiple-electrode structure	600/374	600/509; 606/34; 606/41; 607/122	Swanson; David K. et al.
US 5871483 A	USPAT	19990216		Folding electrode structures	606/41	600/374; 606/34; 607/105; 607/113; 607/122; 607/99	Jackson; Jerome et al.
US 5871443 A	USPAT	19990216		Cardiac mapping and ablation systems	600/374		Edwards; Stuart D. et al.
US 5868736 A	USPAT	19990209		Systems and methods to control tissue heating or ablation with porous electrode structures	606/34	606/41; 607/105; 607/113; 607/122; 607/99	Swanson; David K. et al.
US 5865791 A	USPAT	19990202		Atrial appendage stasis reduction procedure and devices	604/500	606/194	Whayne; James G. et al.
US 5860920 A	USPAT	19990119		Systems for locating and ablating accessory pathways in the heart	600/374	600/509; 606/41; 607/122	McGee; David L. et al.
US 5855592 A	USPAT	19990105		Systems and methods for multi-site cardiac defibrillation using multiple electrode structures	607/4	600/374	McGee; David et al.
US 5853411 A	USPAT	19981229		Enhanced electrical connections for electrode structures	606/41	600/374; 607/122; 607/99	Whayne; James G. et al.
US 5853409 A	USPAT	19981229		Systems and apparatus for sensing temperature in body tissue	606/31	600/374; 600/549; 606/42; 607/102	Swanson; David K. et al.
US 5848969 A	USPAT	19981215		Systems and methods for visualizing interior tissue	600/462	600/439; 600/463	Panescu; Dorin et al.

				regions using expandable imaging structures			
US 5846239 A	USPAT	19981208		Tissue heating and ablation systems and methods using segmented porous electrode structures	606/41	607/105; 607/113; 607/122; 607/99	Swanson; David K. et al.
US 5846238 A	USPAT	19981208		Expandable-collapsible electrode structures with distal end steering or manipulation	606/41	600/374; 606/34; 607/122; 607/99	Jackson; Jerome et al.
US 5840076 A	USPAT	19981124		Tissue heating and ablation systems and methods using electrode structures with distally oriented porous regions	606/34	606/41; 607/105; 607/113; 607/122; 607/99	Swanson; David K. et al.
US 5836874 A	USPAT	19981117		Multi-function electrode structures for electrically analyzing and heating body tissue	600/374	606/41; 607/122; 607/99	Swanson; David K. et al.
US 5833621 A	USPAT	19981110		Systems and methods for matching electrical characteristics and propagation velocities in cardiac tissue	600/509		Panescu; Dorin et al.
US 5830213 A	USPAT	19981103		Systems for heating and ablating tissue using multifunctional electrode structures	606/41	600/374; 607/105; 607/113; 607/122; 607/99	Panescu; Dorin et al.
US 5820591 A	USPAT	19981013		Assemblies for creating compound curves in distal catheter regions	604/95.01	604/529	Thompson; Russell B. et al.
US 5810802 A	USPAT	19980922		Systems and methods for controlling tissue ablation using multiple temperature sensing elements	606/31	606/41; 607/101	Panescu; Dorin et al.
US 5800432 A	USPAT	19980901		Systems and methods for actively cooling ablation electrodes using diodes	606/49	600/549; 606/34; 606/41; 606/42; 607/102; 607/105; 607/20; 607/99	Swanson; David K.
US 5797905 A	USPAT	19980825		Flexible tissue ablation elements for making long	606/41	607/122	Fleischman; Sidney D. et

				lesions			al.
US 5797903 A	USPAT	19980825		Tissue heating and ablation systems and methods using porous electrode structures with electrically conductive surfaces	606/34	600/374; 606/41; 607/105; 607/113; 607/122; 607/99	Swanson; David K. et al.
US 5795303 A	USPAT	19980818		Systems and methods for making time-sequential measurements of biopotentials sensed in myocardial tissue	600/509	600/510	Swanson; David K. et al.
US 5792064 A	USPAT	19980811		Systems and methods for analyzing cardiac biopotential morphologies by cross-correlation	600/510		Panescu; Dorin et al.
US 5788645 A	USPAT	19980804		Method and apparatus for event processing in biological application	600/516	600/515	Swanson; David K. et al.
US 5782826 A	USPAT	19980721		System and methods for detecting ancillary tissue near tissue targeted for ablation	606/34		Swanson; David K.
US 5769847 A	USPAT	19980623		Systems and methods for controlling tissue ablation using multiple temperature sensing elements	606/42	606/31; 606/48; 607/101	Panescu; Dorin Nmi et al.
US 5759158 A	USPAT	19980602		Systems and methods for conducting electrophysiological testing using high-voltage energy pulses to stun heart tissue	600/508		Swanson; David K.
US 5755715 A	USPAT	19980526		Tissue heating and ablation systems and methods using time-variable set point temperature curves for monitoring and control	606/31	606/42; 607/102	Stern; Roger A. et al.
US 5752518 A	USPAT	19980519		Systems and methods for visualizing interior regions of the body	600/424	600/466	McGee; David et al.
US 5740808 A	USPAT	19980421		Systems and methods for guiding diagnostic or therapeutic devices in interior tissue regions	600/424	600/585	Panescu; Dorin et al.

US 5735846 A	USPAT	19980407		Systems and methods for ablating body tissue using predicted maximum tissue temperature	606/41	606/31; 606/42; 607/102	Panescu; Dorin et al.
US 5732698 A	USPAT	19980331		Systems for examining the electrical characteristics of cardiac tissue while minimizing contact with blood within the heart	600/374	600/393; 607/122	Swanson; David K. et al.
US 5722416 A	USPAT	19980303		Systems and methods for analyzing biopotential morphologies in heart tissue to locate potential ablation sites	600/509	600/510; 607/101	Swanson; David K. et al.
US 5722403 A	USPAT	19980303		Systems and methods using a porous electrode for ablating and visualizing interior tissue regions	600/373	607/120; 607/122	McGee; David et al.
US 5722402 A	USPAT	19980303		Systems and methods for guiding movable electrode elements within multiple-electrode structures	600/374	600/393; 600/509; 606/34; 606/41; 607/122	Swanson; David K. et al.
US 5711305 A	USPAT	19980127		Systems and methods for acquiring endocardially or epicardially paced electrocardiograms	600/510	600/374	Swanson; David K. et al.
US 5702386 A	USPAT	19971230		Non-linear control systems and methods for heating and ablating body tissue	606/34	606/31; 606/38; 606/42; 606/45; 607/102	Stern; Roger A. et al.
US 5688267 A	USPAT	19971118		Systems and methods for sensing multiple temperature conditions during tissue ablation	606/41	606/31; 606/42; 606/45; 607/102; 607/122	Panescu; Dorin et al.
US 5673695 A	USPAT	19971007		Methods for locating and ablating accessory pathways in the heart	600/374	606/41; 607/101; 607/122; 607/148	McGee; David L. et al.
US 5637090 A	USPAT	19970610		Multiple electrode element for mapping and ablating heart tissue	604/95.01	607/14; 607/9	McGee; David L. et al.
US 5634938	USPAT	19970603		Defibrillator waveform	607/5	607/7;	Swanson;

A				generator for generating waveform of long duration		607/74	David K. et al.
US 5609157 A	USPAT	19970311		Systems and methods for analyzing biopotential morphologies in body tissue using iterative techniques	600/510	600/515	Panescu; Dorin et al.
US 5603732 A	USPAT	19970218		Subcutaneous defibrillation electrodes	607/129	607/148; 607/152	Dahl; Roger W. et al.
US 5601088 A	USPAT	19970211		Systems and methods for filtering artifacts from composite signals	600/510	128/901; 600/529; 600/544; 600/546; 708/322	Swanson; David K. et al.
US 5598848 A	USPAT	19970204		Systems and methods for positioning multiple electrode structures in electrical contact with the myocardium	600/508	600/374; 600/547; 607/122	Swanson; David K. et al.
US 5595183 A	USPAT	19970121		Systems and methods for examining heart tissue employing multiple electrode structures and roving electrodes	600/510	600/374; 607/122	Swanson; David K. et al.
US 5582609 A	USPAT	19961210		Systems and methods for forming large lesions in body tissue using curvilinear electrode elements	606/39	606/33; 606/45; 607/101; 607/122	Swanson; David K. et al.
US 5577509 A	USPAT	19961126		Systems and methods for examining the electrical characteristics and timing of electrical events in cardiac tissue	600/508		Panescu; Dorin N. et al.
US 5575810 A	USPAT	19961119		Composite structures and methods for ablating tissue to form complex lesion patterns in the treatment of cardiac conditions and the like	607/99	607/119; 607/122; 607/148	Swanson; David K. et al.
US 5549661 A	USPAT	19960827		Systems and methods for creating complex lesion patterns in body tissue	607/99	600/374	Kordis; Thomas F. et al.
US 5549108 A	USPAT	19960827		Cardiac mapping and ablation systems	600/381	607/122	Edwards; Stuart D. et al.

US 5546940 A	USPAT	19960820		System and method for matching electrical characteristics and propagation velocities in cardiac tissue to locate potential ablation sites	600/374	600/547; 606/27; 606/41; 607/122; 607/148; 607/96	Panescu; Dorin et al.
US 5545202 A	USPAT	19960813		Body implantable defibrillation system	607/129	607/116; 607/119	Dahl; Roger W. et al.
US 5531779 A	USPAT	19960702		Stent-type defibrillation electrode structures	607/119	600/381; 607/122; 607/5	Dahl; Roger W. et al.
US 5509419 A	USPAT	19960423		Cardiac mapping and ablation systems	600/393	606/41; 607/122	Edwards; Stuart D. et al.
US 5496362 A	USPAT	19960305		Implantable conformal coil patch electrode with multiple conductive elements for cardioversion and defibrillation	607/129		KenKnight; Bruce H. et al.
US 5494042 A	USPAT	19960227		Systems and methods for deriving electrical characteristics of cardiac tissue for output in iso-characteristic displays	600/508	600/374	Panescu; Dorin et al.
US 5485849 A	USPAT	19960123		System and methods for matching electrical characteristics and propagation velocities in cardiac tissue	600/512	600/374; 600/508; 607/119	Panescu; Dorin et al.
US 5476495 A	USPAT	19951219		Cardiac mapping and ablation systems	607/122	600/374	Kordis; Thomas F. et al.
US 5468254 A	USPAT	19951121		Method and apparatus for defibrillation using a multiphasic truncated exponential waveform	607/5		Hahn; Stephen J. et al.
US 5411525 A	USPAT	19950502		Dual capacitor biphasic defibrillator waveform generator employing selective connection of capacitors for each phase	607/5	607/74	Swanson; David K. et al.
US 5372606 A	USPAT	19941213		Method and apparatus for generating adaptive n-phasic defibrillation waveforms	607/6	607/8	Lang; Douglas J. et al.
US 5366496	USPAT	19941122		Subcutaneous shunted coil	607/132	607/119	Dahl; Roger

A				electrode			W. et al.
US 5360442 A	USPAT	19941101		Subcutaneous defibrillation electrodes	607/129	607/116; 607/119	Dahl; Roger W. et al.
US 5342407 A	USPAT	19940830		Body implantable defibrillation system	607/129	607/5	Dahl; Roger W. et al.
US 5314459 A	USPAT	19940524		Defibrillation electrode system having smooth current distribution with floating electrode	607/122	607/116; 607/119; 607/129; 607/148	Swanson; David K. et al.
US 5311874 A	USPAT	19940517		Method for tachycardia discrimination	600/518		Baumann; Lawrence S. et al.
US 5309910 A	USPAT	19940510		Cardiac mapping and ablation systems	600/381	607/122	Edwards; Stuart D. et al.
US 5271417 A	USPAT	19931221		Defibrillation electrode having smooth current distribution	607/122		Swanson; David K. et al.
US 5230337 A	USPAT	19930727		Process for implanting subcutaneous defibrillation electrodes	607/5	607/119	Dahl; Roger W. et al.
US 5203348 A	USPAT	19930420		Subcutaneous defibrillation electrodes	607/129	600/377	Dahl; Roger W. et al.
US 5111812 A	USPAT	19920512		Defibrillation electrode having smooth current distribution	607/2		Swanson; David K. et al.
US 5107834 A	USPAT	19920428		Low energy multiple shock defibrillation/cardioversion discharge technique and electrode configuration	607/5		Ideker; Raymond E. et al.
US 5090422 A	USPAT	19920225		Implantable electrode pouch	607/119	600/375	Dahl; Roger W. et al.
US 5018523 A	USPAT	19910528		Apparatus for common mode stimulation with bipolar sensing	607/2	128/902	Bach, Jr.; Stanley M. et al.